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CORONA

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1. AS REQUESTED IN REFERENCE, WE HAVE CANVASSED THE REQUIREMENTS OF AMS AND ACIC FOR THEIR VIEWS AS TO THE NEED FOR STEP AND REPEAT PROCESSING OF THE INDEX CAMERA FILM FROM CORONA MISSIONS. THEIR INDIVIDUAL REPLIES ARE EXTRACTED FOR YOUR INFORMATION BELOW:

Grace (File)

A. COMMENTS FROM AMS: "STEP AND REPEAT METHOD DOES, REPEAT DOES PROVIDE A PRODUCT SUFFICIENTLY SUPERIOR TO WARRANT THE ADDITIONAL PROCESING TIME, DELAY IN DELIVERY AND ADDED COST OVER THE CONTINUOUS STRIP METHOD.

INDEX PHOTOGRAPHY IS THE MAIN SOURCE FOR VERTICAL TRIANGULATION AND, CONSEQUENTLY, METRIC FIDELITY, OPTIMUM RESOLUTION AND OPTIMUM PHOTO QUALITY ARE ABSOLUTELY ESSENTIAL. THE CONTINUOUS STRIP METHOD WOULD DISTORT THE PHOTO GEOMETRY BEYOND ACCEPTABLE MEASUREMENT ACCURACY TOLERANCES, WOULD DEGRADE EXPOSURE QUALITY THROUGH ABSENCE OF INDIVIDUAL FRAME TONE CONTROL, AND WOULD SACRIFICE RESOLUTION.

PLEASE CONTINUE STEP AND REPEAT PROCESSING."

B. COMMENTS FROM ACIC: "1. DENSITY READINGS MADE THROUGH

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OUT ROLLS SHOWED OUTPUT OF STEP AND REPEAT SUBJECT TO MORE VARIABILITY THAN CONTINUOUS PRINTER. 2. IMAGE ANALYSIS BASED ON MEASUREMENTS OF GRANULARITY. ACUTANCE AND RESOLUTION SHOWED NO SIGNIFICANT DIFFERENCE BETWEEN THE TWO PRINTERS. 3. SUBJECTIVE EVALUATION OF IMAGE CONTENT AND QUALITY USING 20X MAGNIFIED PRINTS DID NOT SHOW ANY SIGNIFICANT DIFFERENCE. 4. PROCESSING QUALITY OF STEP AND REPEAT PRINTS WAS INFERIOR DUE TO PRESENCE OF NEWTON RINGS AND DUST PARTICLES. THESE DEFICIENCIES ARE PREJUDICIAL TO ANY UTILIZATION OF MATERIALS FOR ANALYTICAL TRIANGULATION APPLICATION. 5. THE STEP AND REPEAT PRODUCTS HAVE NO ADVANTAGES OVER THOSE MADE ON CONTINUOUS PRINTER. RECOMMEND THAT USE OF STEP AND REPEAT PRINTER BE DISCONTINUED FOR INDEX PHOTOGRAPHY."

2. [] POSITION PREVIOUSLY RECORDED IN [] 2030.

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-END OF MESSAGE-

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